

Shipping World & Shipbuilder

EDITORIAL INDEX

January-June 1977
Volume 170
Numbers 3925-3930

- ARTICLES, general**
- 465 Blohm + Voss celebrate 100 years of shipbuilding
- 369 BMEC forum in Finland, a selection of exhibitors
- 327 Carol service from Europe to the Caribbean
- 153 Charles Winn in factory move
- 219 Consuba continue to expand their in-water maintenance services
- 171 Exhibitions and conferences
- 477 Giant drydocks in Dubai and Greece
- 153 Large investment by Walter Somers
- 204 Latest developments in the Brazilian shipbuilding industry
- 263 MaK sign licence agreement with UBE industries
- 151 MISC start new service
- 353 Nor-Shipping '77, a selection of exhibitors
- 151 Olau Line's progress in the North Sea
- 36 Opportunities ahead for UK shipping
- 53 Port of Antwerp. Major port construction taking place on both banks of the River Scheldt
- 479 Profit is our business
- 267 Saudi Arabia. The awakening giant
- 219 Speed progress in ratifying collision rules
- 335 Thune-Eureka introduce Euroskim
- 484 United Arab Shipping Company
- 218 Use of video cassette tapes on board ships and offshore structures (See also special features)

- ARTICLES, technical**
- 429 Evolution of the shallow draught tanker
- 145 Haltherm Unicore system for refrigeration of up to 72 containers
- 331 Incymar incineration unit from Wilson Walton International SAF
- 361 Oy Kaukas Ab a world leader in processed plywood for the marine industry
- 59 New frontiers in bulk transfer technology
- 482 Newage Alternators, completion of expansion programme at Stamford engineering works
- 420 Ruston Diesel Ltd develop the higher rated AP230 unit from the AP2 unit
- 159 Schilling rudder for added manoeuvrability
- 155 'Seajoule' waste heat recovery system
- 481 Sludge pump from Dickerman Overseas (See also special features)

- AUTHORS**
- 27 Bartlett, A. (Shiprepair number)
- 78 Meyne, K. J. (Shiprepair number)
- 59 Soros, P.

- BOOK REVIEWS**
- 312 Eighty-six years plus
- 244 First hundred years
- 456 Great Passenger Ships of the World, Volume 4
- 456 Growth of the Car-Carrying Fleet
- 244 Jane's Ocean Technology
- 456 Marine Engineering Practice, Volume 2: Water Treatment
- 244 Ocean Tanker Fleets (Oil Companies)
- 244 Reeds Nautical Almanac
- 312 Tall Ships; A sailing celebration
- 312 Zosen Year Book 1976-7

- DIESEL ENGINES**
- 263 MaK sign licence agreement with UBE industries
- 420 Ruston Diesel Ltd develop the higher rated AP230 unit from the AP2 unit

- EQUIPMENT**
- 432 AQP elastomer
- 224 Actuator, Rotork
- 225 Air Cushion, Gordian Strapping
- 432 Lyka cranes
- 225 Protection system, John Davis & Son
- 481 Sludge pump, Dickerman Overseas
- 432 Speed reducers, ASEA
- 432 Transfer system, MDS Ltd
- 224 Winches, Schiess

- HEARD ON THE BALTIC**
- 379 China's reappearance in the grain trade a plus factor for owners
- 295 Congestion! A blessing in disguise for some shipowners
- 45 Little more encouraging for the tramp shipowner on the freight market
- 439 Over-plentiful tonnage still a problem for shipowners and charterers
- 229 Owners' fears of bulk carrier over tonnage far from groundless
- 507 Timecharter activity provides the main theme during May

- INSURANCE**
- 37 Currency problems beset the broker. A drop in total loss claims
- 443 General Arab Insurance Federation tackles the various problems that exist in Arab insurance
- 383 Improvements in port congestion discussed and its effect on shipping
- 299 Lack of loss prevention programme? Late total losses add to a record year for CTLs
- 233 Offshore safety and its costs to underwriters

- MARINE LAW**
- 297 A vessel tendered. Was it the vessel delivered?
- 49 Charter-party disputes again prominent in the Courts during the year

- 231 Charterer claiming damages against a shipowner
- 441 International interpretations of a law discussed by the Courts
- 509 Laytime discussed in the House of Lords
- 381 Negligence by the assured is no defence to the insurer

- PEOPLE**
- 41 Committee of Lloyd's 1977
- 161 Miscellaneous
- 227 Miscellaneous
- 293 Miscellaneous
- 377 Miscellaneous
- 437 Miscellaneous
- 505 Miscellaneous

- PORTS & TERMINALS**
- 95 Developments at the port of Aqaba
- 59 New frontiers in bulk transfer technology
- 53 Port of Antwerp. Major port construction taking place on both banks of the River Scheldt
- 87 Port progress in Bahrain (See also special features)

- SALE AND PURCHASE**
- 51 Financial troubles dominate sale and purchase market
- 163 Monthly
- 235 Monthly
- 301 Monthly
- 385 Monthly
- 445 Monthly
- 513 Monthly

- SHIP CONVERSIONS**
- 183 *Forties Kiwi*. Tanker to maintenance vessel
- 197 *Sarita*. Tanker to crane ship (See also shiprepair number)

- SHIPBUILDERS**
- 470 Aalborg Vaerft, Den
- 345 Arnheimsche Scheepsbouw Maats, Hol
- 485 Astilleros Espanoles, Spa
- 197 A/S Bergens Mek Verk, Nor
- 183 Boele's Scheepswerven en Machinefabriek, Hol
- 261 Boele's Scheepswerven en Machinefabriek, Hol
- 157 Chant Navals de la Ciotat, Fre
- 141 Eriksbergs Mek Verk, Swe
- 147 Flensburger Schiffs-Gesell, W Ger
- 144 A/S Framnaes Mek Verk, Nor
- 101 Govan Shipbuilders, UK
- 211 Helsingør Vaerft, Den
- 371 Hitachi Zosen, Japan
- 351 Holland v/h M. Calje BV Scheepswerf & Mach, Hol
- 101 Hyundai Shipbuilding & Heavy Industries Co Ltd, Kor

- 373 IHI, Jap
- 339 Martin Jans
- 203 M. Liaaen A
- 221 Mitsubishi H
- 137 Robb Caled
- 207 Robb Caled
- 189 Ross Co Shi
- 141 Setenave Shi
- 321 Stocznia Gd
- 347 Sumitomo H
- 332 Tsuneishi Sh
- 215 Oy Wärtsilä

- SHIPBUILD**
- 465 Blohm + V
- 204 Latest develo
- 273 Launch of s
- scenes activi
- croft
- 343 Martin Jans
- Leer for ext

- SHIPOWNE**
- 183 BP, UK
- 339 Blaesbjerg &
- 470 British Railw
- 137 Central E
- Board, UK
- 261 Comp Gene
- 157 CNAN, Alg
- 215 Comp Anon
- Ven
- 211 Cuban Gov
- 351 Deutsche Se
- 207 ELMA, Arg
- 332 Euro-Arab
- 189 Chr Haalan
- 321 T & J Har
- 373 Japan Line
- Jap

- 101 Kuwait Ship
- 345 Mammoet
- 485 Maroil SA,
- 203 Simon Mok
- 371 Sanko SS C
- 141 SOPONAT,
- 147 A.C. Toepf
- 197 A/S Uglan
- 484 United Ara
- 221 Vivien Co
- 144 Whitminste
- 347 BV Bureau

- SHIPREPA**
- 477 Giant dry
- Greece
- (See also s)

- SHIPS**
- 101 Al Mubara
- 332 Arab Haw
- 321 Astronome
- 211 Bolivar, Co
- 351 Brocken, E
- 371 Bunko Ma

Shipping World & Shipbuilder

EDITORIAL INDEX

January-June 1977
Volume 170
Numbers 3925-3930

- ARTICLES, general**
- 465 Blohm + Voss celebrate 100 years of shipbuilding
- 369 BMEC forum in Finland, a selection of exhibitors
- 327 Carol service from Europe to the Caribbean
- 153 Charles Winn in factory move
- 219 Consuba continue to expand their in-water maintenance services
- 171 Exhibitions and conferences
- 477 Giant drydocks in Dubai and Greece
- 153 Large investment by Walter Somers
- 204 Latest developments in the Brazilian shipbuilding industry
- 263 MaK sign licence agreement with UBE industries
- 151 MISC start new service
- 353 Nor-Shipping '77, a selection of exhibitors
- 151 Olau Line's progress in the North Sea
- 36 Opportunities ahead for UK shipping
- 53 Port of Antwerp. Major port construction taking place on both banks of the River Scheldt
- 479 Profit is our business
- 267 Saudi Arabia. The awakening giant
- 219 Speed progress in ratifying collision rules
- 335 Thune-Eureka introduce Euroskim
- 484 United Arab Shipping Company
- 218 Use of video cassette tapes on board ships and offshore structures (See also special features)

- ARTICLES, technical**
- 429 Evolution of the shallow draught tanker
- 145 Haltherm Unicore system for refrigeration of up to 72 containers
- 331 Incymar incineration unit from Wilson Walton International SAF
- 361 Oy Kaukas Ab a world leader in processed plywood for the marine industry
- 59 New frontiers in bulk transfer technology
- 482 Newage Alternators, completion of expansion programme at Stamford engineering works
- 420 Ruston Diesel Ltd develop the higher rated AP230 unit from the AP2 unit
- 159 Schilling rudder for added manoeuvrability
- 155 'Seajoule' waste heat recovery system
- 481 Sludge pump from Dickerman Overseas (See also special features)

- AUTHORS**
- 27 Bartlett, A. (Shiprepair number)
- 78 Meyne, K. J. (Shiprepair number)
- 59 Soros, P.

- BOOK REVIEWS**
- 312 Eighty-six years plus
- 244 First hundred years
- 456 Great Passenger Ships of the World, Volume 4
- 456 Growth of the Car-Carrying Fleet
- 244 Jane's Ocean Technology
- 456 Marine Engineering Practice, Volume 2: Water Treatment
- 244 Ocean Tanker Fleets (Oil Companies)
- 244 Reeds Nautical Almanac
- 312 Tall Ships; A sailing celebration
- 312 Zosen Year Book 1976-7

- DIESEL ENGINES**
- 263 MaK sign licence agreement with UBE industries
- 420 Ruston Diesel Ltd develop the higher rated AP230 unit from the AP2 unit

- EQUIPMENT**
- 432 AQP elastomer
- 224 Actuator, Rotork
- 225 Air Cushion, Gordian Strapping
- 432 Lyka cranes
- 225 Protection system, John Davis & Son
- 481 Sludge pump, Dickerman Overseas
- 432 Speed reducers, ASEA
- 432 Transfer system, MDS Ltd
- 224 Winches, Schiess

- HEARD ON THE BALTIC**
- 379 China's reappearance in the grain trade a plus factor for owners
- 295 Congestion! A blessing in disguise for some shipowners
- 45 Little more encouraging for the tramp shipowner on the freight market
- 439 Over-plentiful tonnage still a problem for shipowners and charterers
- 229 Owners' fears of bulk carrier over tonnage far from groundless
- 507 Timecharter activity provides the main theme during May

- INSURANCE**
- 37 Currency problems beset the broker. A drop in total loss claims
- 443 General Arab Insurance Federation tackles the various problems that exist in Arab insurance
- 383 Improvements in port congestion discussed and its effect on shipping
- 299 Lack of loss prevention programme? Late total losses add to a record year for CTLs
- 233 Offshore safety and its costs to underwriters

- MARINE LAW**
- 297 A vessel tendered. Was it the vessel delivered?
- 49 Charter-party disputes again prominent in the Courts during the year

- 231 Charterer claiming damages against a shipowner
- 441 International interpretations of a law discussed by the Courts
- 509 Laytime discussed in the House of Lords
- 381 Negligence by the assured is no defence to the insurer

- PEOPLE**
- 41 Committee of Lloyd's 1977
- 161 Miscellaneous
- 227 Miscellaneous
- 293 Miscellaneous
- 377 Miscellaneous
- 437 Miscellaneous
- 505 Miscellaneous

- PORTS & TERMINALS**
- 95 Developments at the port of Aqaba
- 59 New frontiers in bulk transfer technology
- 53 Port of Antwerp. Major port construction taking place on both banks of the River Scheldt
- 87 Port progress in Bahrain (See also special features)

- SALE AND PURCHASE**
- 51 Financial troubles dominate sale and purchase market
- 163 Monthly
- 235 Monthly
- 301 Monthly
- 385 Monthly
- 445 Monthly
- 513 Monthly

- SHIP CONVERSIONS**
- 183 Forties Kiwi. Tanker to maintenance vessel
- 197 Sarita. Tanker to crane ship (See also shiprepair number)

- SHIPBUILDERS**
- 470 Aalborg Vaerft, Den
- 345 Arnheimsche Scheepsbouw Maats, Hol
- 485 Astilleros Espanoles, Spa
- 197 A/S Bergens Mek Verk, Nor
- 183 Boele's Scheepswerven en Machinefabriek, Hol
- 261 Boele's Scheepswerven en Machinefabriek, Hol
- 157 Chant Navals de la Ciotat, Fre
- 141 Eriksbergs Mek Verk, Swe
- 147 Flensburger Schiffs-Gesell, W Ger
- 144 A/S Framnaes Mek Verk, Nor
- 101 Govan Shipbuilders, UK
- 211 Helsingor Vaerft, Den
- 371 Hitachi Zosen, Japan
- 351 Holland v/h M. Calje BV Scheepswerf & Mach, Hol
- 101 Hyundai Shipbuilding & Heavy Industries Co Ltd, Kor

- 373 IHI, Jap
- 339 Martin Jans
- 203 M. Liaaen A
- 221 Mitsubishi H
- 137 Robb Caled
- 207 Robb Caled
- 189 Ross Co Shi
- 141 Setenave Shi
- 321 Stocznia Gd
- 347 Sumitomo H
- 332 Tsuneishi Sh
- 215 Oy Wartsila

- SHIPBUILD**
- 465 Blohm + V
- 204 Latest develo
- 273 Launch of s
- scenes activi
- croft
- 343 Martin Jans
- Leer for ext

- SHIPOWNE**
- 183 BP, UK
- 339 Blaesbjerg &
- 470 British Railw
- 137 Central E
- Board, UK
- 261 Comp Gene
- 157 CNAN, Alg
- 215 Comp Anon
- Ven
- 211 Cuban Gov
- 351 Deutsche Se
- 207 ELMA, Arg
- 332 Euro-Arab
- 189 Chr Haalan
- 321 T & J Har
- 373 Japan Line
- Jap

- 101 Kuwait Ship
- 345 Mammoet
- 485 Maroil SA,
- 203 Simon Mok
- 371 Sanko SS C
- 141 SOPONAT,
- 147 A.C. Toepf
- 197 A/S Uglan
- 484 United Ara
- 221 Vivien Co
- 144 Whitminste
- 347 BV Bureau

- SHIPREPA**
- 477 Giant dry
- Greece
- (See also sh

- SHIPS**
- 101 Al Mubara
- 332 Arab Hawa
- 321 Astronome
- 211 Bolivar, Co
- 351 Brocken, E
- 371 Bunko Ma

MONTH PAGES

January	36-171
February	181-244
March	260-312
April	320-391
May	400-456
June	464-519

Shiprepair number with

May issue 27-79

P
Jansen, W Ger
A/S, Nor
shi Heavy Industries, Jap
Caledon, UK
Caledon, UK
o Shipyard, Eir
e Shipyard, Por
a Gdanska, Pol
mo Heavy Industries, Jap
hi Shipbuilding Co Ltd, Jap
rttilä Ab, Fin

UILDING
+ Voss celebrate 100 years
building
developments in the Brazilian
lding industry
of a warship. Behind-the-
activities at Vosper Thorny-
Jansen expand the yard at
or extra capacity

WNERS
K
erg & Co, Den
Railways Board, UK
Electricity Generating
UK
Generale Maritime SA, Fre
f, Alg
Anon Venezolana de Nav,
Government, Cub
he Seereederei, EGer
s, Arg
Arab Sea Trailer Ltd, Lib
laaland, Nor
Harrison, UK
Line & Mitsui OSK Lines,

t Shipping Co, Kuw
hoet Transport, Hol
SA, Spa
Mokster, Nor
SS Co Ltd, Jap
NATA, Por
Toepfer, WGer
Jgland Red, Nor
Arab Shipping Co, Kuw
Co Ltd, Lib
minster Co Ltd, Ber
ureau Wijsmuller, Hol

REPAIRERS
drydocks in Dubai and
e
also shiprepair number)

S
ubarakiah, Kuw, C, D
Hawk, Lib, Barge, Non-prop
omer, UK, Cont, D
ar, Cub, C, D
en, EGer, Heavy-lift, D
o Maru, Jap, Blk C, D

183 *Forties Kiwi*, UK, Offshore main-
tenance, D
137 *Garrison Point*, UK, Blk C, D
373 *Godwit*, Jap, Cont, D
345 *Happy Rider*, Hol, Heavy-lift, D
101 *Ibn Al Atheer*, Kuw, C, D
485 *Maria Aléjandra*, Spa, VLCC, D
157 *Mostefa Ben Boulaid*, Alg, LNG, T
141 *Neiva*, Por, ULCC, T
189 *Nysel*, Nor, Barge, Non-prop
347 *Ocean Servant I*, Hol, Barge, Non-
prop
261 *Pascal*, Fre, LPG, D
470 *St Columba*, UK, Pass, D
207 *Salta*, Arg, C, D
339 *Samson Scan*, Den, Heavy-lift, D
197 *Sarita*, Nor, Crane ship, D
203 *Stril Pilot*, Nor, Tug, D
215 *Tachira*, Ven, C, D
144 *Union Hobart*, UK, Ro/ro, D
221 *Vivien*, Lib, C, D
147 *Warschau*, WGer, Blk C, D

TRADE
223 Miscellaneous
375 Miscellaneous
435 Miscellaneous
503 Miscellaneous

YARD BUSINESS
167 Monthly
238 Monthly
304 Monthly
388 Monthly
448 Monthly
516 Monthly

YARD ORDER BOOKS
241 UK
306 Foreign
390 UK
450 Foreign
518 UK

SPECIAL FEATURES
FAR EAST
401 A review of the marine activities
in the Far East area
409 China
411 Hong Kong
403 Indonesia
403 Japan
417 Japanese shipping
415 Korea
408 Malaysia
415 Philippines
405 Singapore
411 Taiwan

HEAVY LIFT
351 *Broken*
345 *Happy Rider*
349 Heavy lift activities of Big Lift BV
347 *Ocean Servant I*

337 Review of vessels operating in
transportation of heavy cargoes
339 *Samson Scan*

MIDDLE EAST
101 *Al Mubarakiah* and *Ibn Al Atheer*
98 Arab Maritime Transport Academy
87 Bahrain Drydock and Port progress
95 Jordan—development at the port of
Aqaba
75 Kuwait—shipping centre of the
Gulf of Arabia
89 Sharjah—gateway to the Gulf

NAVAL CONSTRUCTION
273 Launch of a Warship, Behind the
scenes activities at Vosper Thorny-
croft
291 Plessey radar naval systems
284 Progress at Litton Yard with 35-
ship programme
287 Weapon fire control system trials
aboard HMS *Amazon*

NAVIGATIONAL AIDS
105 Navigational aids, review of the
latest developments and equipment
available
118 Automatic plotting radars
105 Collision avoidance system from
Sperry
111 Decca radar simulator
115 Decca radars for the new channel
navigation information service
111 Five Decca radar chains proposed
for Venezuela
116 Magnavox MX1102 satellite navi-
gator
118 Mitsubishi Tonac system
117 Omega receiver from Sait Elec-
tronics
107 UK newbuilding orders full Mar-
coni Marine radio station

NORTH EAST COAST
489 Austin & Pickersgill gain orders
from British shipowners
491 Bank Line vessels from Pallion
499 Developments with Seajoule
491 Future orders for Doxford do not
include *Seahorse*
497 Generator repairs by Tyne and
Wear Electrical
497 Marine and Transportation Division
of Clark Chapman
493 Orders for Navire Cargo Gear (GB)
Ltd
493 Successful conversion by NE Coast
repairs
495 UK activities of Kvaerner
495 World-wide service of Camrex
493 Year of shipbuilding and shiprepair-
ing from Swan Hunter

OFFSHORE
191 Beryl A field commences produc-
tion
193 Brazil's offshore policy
181 Developments in the offshore in-
dustry

SHIPS KEY

Blk C	..	..	..	..	bulk carrier
C	..	..	..	..	general cargo ship
Cont	..	..	..	..	container ship
LNG	..	..	..	..	liquefied natural gas carrier
LPG	..	..	..	..	liquefied petroleum gas carrier
LASH	..	..	..	..	lighter aboard ship
OBO	..	..	..	..	ore/bulk/oil carrier
OC	..	..	..	..	ore carrier
O/OC	..	..	..	..	ore/oil carrier
Pass	..	..	..	..	passenger ship
Ref.	..	..	..	..	refrigerated cargo ship
Ro/ro	..	..	..	..	roll on/roll off ship
Tkr	..	..	..	..	tanker
VLCC	..	..	..	..	very large crude carrier
(other specialist types normally stated in full)					
D	..	..	..	..	diesel
DE	..	..	..	..	diesel-electric
GT	..	..	..	..	gas-turbine
T	..	..	..	..	turbine
TE	..	..	..	..	turbo-electric

183 *Forties Kiwi* conversion
187 Jack-up drilling rig for deep-sea
exploration developed by Bethle-
hem Steel
185 Lloyd's Register inspect tanker ter-
minal
189 *Nysel*, 10 000 dwt deck barge built
by Ross Co Shipyard
195 Offshore modules constructed at
Intep (UK) Ltd, Pembroke
197 *Sarita*, conventional oil tanker con-
verted to a heavy lift crane ship
201 Sigma Coatings supply anti-corro-
sion paints for offshore structures
203 *Stril Pilot*, anchor-handling tug
built for North Sea operations
199 Structure movement measuring

POLLUTION
121 Anti-pollution valve
127 Bailey bilge monitor
135 Economics of crude washing cargo
tanks
125 Flofoil oily water separation
125 Marine Ventures sewage units
131 Mark 4 skimmer
129 Mobile response trailer
129 Mopping-up oil spills with Drizit
131 Oil spill recovery vehicle
121 Pollution review. New ideas in this
most important field
127 Seaboom system for refineries
129 Seaskimmer system for removal
125 Vacuum sewage system
129 Vikoma Seapack

SAFETY AT SEA
65 Alarm System, Signalco
63 AMVER system for maritime safety
71 Building board, Cape Boards and
Panels
63 Bureau Veritas re-issue require-
ments for laid-up ships
69 Detector, Nu-Swift
69 Doors, Hellbergs
65 Extinguishers, No-Ha
71 Fire Batts, Rockwool
65 Fire fighting and fire prevention a
major industry in shipping
69 Fire resistant panels and doors
71 Flame retardant process, Retro-
flame
63 Norwegian safety research pro-
gramme commences this year
65 Pumps, Thune-Eureka

SHIPREPAIR NUMBER
75 *Aratika*, HUD, Hong Kong con-
vert New Zealand ferry
27 British shiprepairing—where now?
76 Engine components maintenance
51 European notes and news
77 New HUD repair complex at
Tsing Yi
78 Propeller repairs
71 Shiprepairs in Arabian Gulf ports
31 UK regional reports

Shipping World & Shipbuilder

EDITORIAL INDEX

July-December 1977
Volume 170
Numbers 3931-3936

- ARTICLES, general**
- 1055 APE-Allen Gears Ltd introduces new machinery
- 1052 Asian Shipping—A new journal from Hong Kong—Benn Business Promotions Ltd
- 955 Benn's widening horizons
- 915 Burness Corlett's 25 years of progress
- 1005 Cofrena Days Preview
- 617 Coolag's new insulated panel capacity
- 665 Exhibitions and conferences
- 640 Finns are building the new and restoring the old
- 634 ISPC 78 to be held in Monte Carlo
- 851 ISPC 78, Monte Carlo April 20-21
- 811 Laboratory complex opened for Burmah-Castrol lubricants
- 830 Lloyd's Register change rules for 1978
- 739 Macbridge link span in use in Hong Kong
- 913 Marine equipment in Brazil over the next three decades
- 608 Marine orders are not new for United Technologies
- 1053 Power Lifts given a boost with new orders from EWL
- 917 Propulsion machinery manufacturers strong at Europort '77
- 634 Riomar exhibition
- September Riomar exhibition preview
- 608 Various operations of Oy Finnlines
- 736 World conference on barge carriers held in Hong Kong (see also Special Features)

- ARTICLES, technical**
- 686 'Catamaran' design by Blaesbjerg
- 907 'Cathelco' system of antifouling
- 682 MAN develop their production programme to meet difficult times
- 1056 New medium speed diesel engines shown at Europort '77
- 906 Shipbuilders view on seaborne transportation of natural gas
- 813 Stretching a hovercraft
- 679 Uddevallavarvet. A major expansion programme nears completion enabling the yard to construct larger ships should the need arise (see also Special Features)

- AUTHORS**
- 569 Leonard, P.
- 906 Maarse, W. H.
- 567 Pucill, P. M.
- 553 Towers, C. R. D.

- BOOKS**
- 748 Jane's Fighting Ships, 1977-78
- 747 RORO 76, Proceedings
- 851 Ship painting manual
- 748 Standard Ship Designs, Volume 1
- 747 Survey of life-saving Appliances
- 747 World Shipping Statistics 1976

- DIESEL ENGINES**
- 682 MAN develop their production programme to meet difficult times
- 1056 New medium speed diesel engines shown at Europort '77
- 917 Propulsion machinery manufacturers strong at Europort '77 (see also Special Features)

- EQUIPMENT**
- 763 Alarm instrument, Metritape
- 839 Chart recorder, Metritape
- 763 Chipping hammer, Atlas Copco
- 839 Cold Water cleaner, Psimat
- 645 Hatch cover, MacGregor
- 645 Heat exchanger, Wanson
- 645 Hoists and cranes, Tonnes Force
- 839 Maintenance access, Sig Bergesen
- 839 Pressure switches, Custom Component Switches
- 645 Stabilisers, Vosper Thornycroft
- 763 Stern tube seal, IHC Holland
- 839 Telemetry system, Astech Electronics
- 763 Water pump, Aqua-hydraulics

- HEARD ON THE BALTIC**
- 767 Baltic Exchange. An invaluable asset to the London scene
- 555 Half year on the Freight Markets
- 701 Layup is still a costly business for the shipowner who neglects his ship
- 845 Possibility of dry cargo ships joining the tankers in the layup berths
- 1063 Recent spate of company collapses, a tip of an iceberg?
- 973 Uncertainty of the US Longshoreman's strike affects trade to the East Coast and US Gulf

- INSURANCE**
- 553 Average adjuster is part of a servicing department
- 848 Heavy claims cost can be incurred many years later
- 975 Highly sensitive time for Marine insurers
- 1065 Progressive training programme for ship's crews a problem
- 703 Shipowners should accept 'no cure-no pay' basis from a reputable salvor
- 769 Too much over-capacity and too much easy placing of reinsurance

- LETTERS**
- 640 Waste heat recovery from marine diesel exhaust

- MARINE LAW**
- 847 Charterers bound by a charter agreement, no matter how harsh
- 1064 Continuation clause dispute comes before the Court of Appeal

- 651 Plain meaning of a clause upheld by the Courts
- 974 Port authority claims against an owner for negligence
- 704 Short delivery of cargo leads to a dispute involving the one year rule
- 771 What is an arrived ship?

- PEOPLE**
- 649 Miscellaneous
- 700 Miscellaneous
- 765 Miscellaneous
- 843 Miscellaneous
- 971 Miscellaneous
- 1061 Miscellaneous

- PORT AND TERMINALS**
- 619 Tilbury. A major development area during the past 10 years (see also Special Features)

- SALE AND PURCHASE**
- 653 Monthly
- 705 Monthly
- 773 Monthly
- 858 Monthly
- 977 Monthly
- 1067 Monthly
- 559 What happens next? The cry from a sale and purchase broker

- SHIPBUILDERS**
- 625 Appledore Shipbuilders Ltd, UK
- 807 Appledore Shipbuilders Ltd, UK
- 821 Astilleros del Cadagua, Spain
- 801 Burmeister & Wain, Denmark
- 581 Chantiers de l'Atlantique, France
- 585 Chantiers de la Ciotat, France
- 1049 Dannebrog Vaerft A/S, Denmark
- 575 Dubigeon-Normandie, France
- 809 Eriksbergs Mek Verk, Sweden
- 685 General Dynamics, USA
- 909 Horten Verft, Norway
- 613 Martin Jansen, W. Germany
- 759 Kagoshima Dock, Japan
- 901 Kawasaki Heavy Industries, Japan
- 805 Mitsubishi Heavy Industries, Japan
- 744 Rauma-Repola, Finland
- 730 Sasebo Heavy Industries, Japan
- 1045 Stocznia Gdanska, Poland
- 815 Tomas Ruiz de Velasco, Spain
- 628 Trondhjems Mek Verk, Norway
- 675 Van der Giessen-de Noord NV, Holland
- 594 Oy Wärtsilä Ab, Finland
- 687 A. G. 'Weser', W. Germany

- SHIPBUILDING**
- 606 Situation at Oy Wärtsilä Ab
- 679 Uddevallavarvet. A major expansion programme nears completion enabling the yard to construct larger ships should the need arise

- 837 Ziegler building (see a)

- SHIPOVERSIGHT**
- 805 Airlees (Moo)
- 759 Bell Lin
- 686 Blaesbjerg
- 628 Brittany
- 809 Brostrom
- 1055 Car Bul
- 581 Compag
- 730 DDG 'I
- 594 Oy Finn
- 585 Gazoc
- 807 Gallic S
- 749 Govt of
- 687 HSDG,
- 801 Hamlet
- 625 Isles of
- 685 LNG T
- 1049 Oivind
- 815 Naviera
- 821 Naviera
- 1045 Peninsu
- 901 Scandir
- 613 Sloman
- 909 Texaco
- 575 V/O Su
- 744 V/O Su
- 675 Van H

- SHIPREPAIR**
- 749 Hongk
- 753 Vosper
- plete
- fittin
- (see c

- SHIPS**
- 675 Aldabi
- 749 Aratiko
- 575 Ayvaz
- 759 Bell Ra
- 581 Bellma
- 581 Cezann
- 687 Colum
- 628 Cornou
- 744 Dubna
- 594 Finnjet
- 801 Hamle
- 685 LNG A
- 807 Leslie
- 805 Menela
- 1585 Monge
- 049 Nopal
- 730 Raben
- 815 Sant J
- 625 Scillon

MONTH	PAGES
July	552-665
August	674-711
September	728-783
October	800-863
November	900-986
December	1004-1075

Supplements & Features

Ship furnishing and interior	Spanish feature	
Design number	October issue	815-829
September issue	Towage and Salvage	
French feature	August issue	691-694
July issue	Riomar Exhibition preview in	
Shiplift feature	September issue	
October issue	Safety at Sea feature	
Ship repair feature	July issue	561-567
November issue	December issue	1029-1043

SHIPS KEY

Blk C	.. ..	bulk carrier
C	.. ..	general cargo ship
Cont	.. ..	container ship
LNG	.. ..	liquefied natural gas carrier
LPG	.. ..	liquefied petroleum gas carrier
LASH	.. ..	lighter abroad ship
OBO	.. ..	ore/bulk/oil carrier
OC	.. ..	ore carrier
O/OC	.. ..	ore/oil carrier
Pass	.. ..	passenger ship
Ref..	.. ..	refrigerated cargo ship
Ro/ro	.. ..	roll on/roll off ship
Tkr	.. ..	tanker
VLCC	.. ..	very large crude carrier
(other specialist types normally stated in full)		
D	.. ..	diesel
DE	.. ..	diesel-electric
GT	.. ..	gas-turbine
T	.. ..	turbine
TE	.. ..	turbo-electric

egler Freres maintain their shipbuilding operation (see also Special Features)

SHIPOWNERS

reeles International Nominees (Moorgate) Ltd, UK
 ll Line, Eire
 aesbjerg & Co, Denmark
 ittany Ferries, France
 ostrom Group, Sweden
 ar Bulk Carriers Inc, Liberia
 ompagnie Generale Maritime, France
 DG 'Hansa', W. Germany
 y Finlines Ltd, Finland
 azocean-France, France
 allic Shipping Inc, UK
 ovt of New Zealand, New Zealand
 SDG, W. Germany
 amlet Maritime Invest, Denmark
 es of Scilly SS Co Ltd, UK
 NG Transport Inc, USA
 ivind Lorentzen, Denmark
 aviera de Productos Licuados SA, Spain
 aviera Zabata SA, Spain
 eninsular and Oriental Steam Nav, UK
 andinavian Motorships Ab, Sweden
 oman Neptun Schiff Gesell, W. Germany
 exaco Norway A/S, Norway
 O Sudoimport, Russia
 o Sudoimport, Russia
 an Nievelt Goudriaan & Co, Holland

SHIPREPAIRERS

ongkong United Dockyards
 osper Shiprepairers offer a complete range of ships' interior fittings (see also Special Features)

SHIPS

ldabi, Dut, C, D
 aratika, NZ, Pass, D
 yvazovskiy, Rus, Pass, D
 ell Rover, Eir, Cont, D
 bellman, Fre, BORO, D
 Cezanne, Fre, C, D
 olumbus Victoria, WGer, Cont, D
 ornouailles, Fre, Pass, D
 Dubna, Rus, Tkr, D
 innjet, Fin, Pass, GT
 Hamlet Alice, Den, C, D
 NG Aquarius, US, LNG, T
 Leslie Gault, UK, Mini-bulker, D
 Menelaus, UK, C, D
 Monge, Fre, LPG, D
 Nopal Sea, Den, Ro/ro, D
 Rabenfels, WGer, Ro/ro, D
 Sant Jordi, Spa, LNG, D
 Scillonian, UK, Pass, D

613 *Starman Africa*, WGer, Heavy-lift, D
 1045 *Stratheden*, UK, C, D
 909 *Texaco Bergen*, Nor, Tkr, D
 809 *Thuleland*, Swe, Blk C, D
 821 *Zabat Uno*, Spa, Blk C, D

TRADE

647 Miscellaneous
 699 Miscellaneous
 841 Miscellaneous
 969 Miscellaneous
 1058 Miscellaneous

YARD BUSINESS

656 Monthly
 708 Monthly
 776 Monthly
 860 Monthly
 979 Monthly
 1070 Monthly

YARD ORDER BOOKS

658 Foreign
 710 UK
 778 Foreign
 862 UK
 981 Foreign
 1074 UK

SPECIAL FEATURES

FRENCH FEATURE

575 *Ayvazovskiy*, Russian cruise liner built by Dubigeon-Normandie
 581 *Cezanne*, first in a series of six cargo vessels from two yards
 579 Chantiers de l'Atlantique adapt their operation to market trends
 589 Complete propulsion sets available from ACB
 589 Crane manufacturing activities of Brissonneau & Lotz
 576 Diesel engines available from Crepelle
 591 Different designs from Chantiers de France-Dunkerque
 569 French marine industries ready to face crisis
 573 Hull cleaning by Phosmarin
 576 MacGregor gain orders from French shipyards
 585 *Monge*, LPG carrier from Chantiers Navals de la Ciotat
 571 New port at Dunkerque West
 571 Orders for Incymar
 583 Position of French shipyards in the gas carrier construction industry
 573 Quayside unloaders from Delattre-Levivier
 592A Re-development scheme of fleet by CGM

586 SEMT-Pielstick, the major engine builders in France
 574 Specialised shipbuilding at Dubigeon-Normandie
 592C Ziegler-Freres emphasise shiprepair facility

SAFETY AT SEA

561 Deck manning safety guidelines laid down
 561 DnV revise rules concerning fire protection
 1043 Development of the Moss detection system
 1037 The development of the Nearest Approach Calculator
 1031 Dreadnought fire resistant doors
 1043 Gravier extend Autowatch system
 567 Detecting fire in ships
 562 Hindley Green plant of Dunlop specialises in inflatables and life-rafts
 1029 IMCO on Tanker Safety
 565 Kockums introduce the T90 for casualty action control, hull stresses, trim and stability
 1035 Lifeboat launching equipment from Davit Co
 1033 Protector Safety Products offer a complete range of safety clothing
 565 Svenska Skumslacknings manufacture fire-fighting equipment for small ships
 1041 New type of buoy produced in Holland
 1039 The use of pyrotechnics in the marine safety field

SHIPS FURNISHING

749 *Aratika*. A notable conversion carried out by Hongkong United Dockyards
 757 David Leon in new office design
 755 Flotex. For use as a hard-wearing surface in public areas
 757 Non-combustible panel developed by TAC
 753 Vosper Shiprepairers offer a complete range of ships' interior fittings

SHIPLIFT FEATURE

833 A review of systems and equipment in this field of shiprepairing
 836 Facility at Schuerenstedt KG, West Germany
 837 Korea Tacoma expands operations
 835 Shiplift system located at Gdynia, Poland

SHIPREPAIR FEATURE

965 Aalborg Vaerft shiprepair facility
 947 Activities at Mitsui
 959 Alfa-Laval's service centre
 929 ASRY becomes operational
 934 Bridging the gap
 949 CCL a growing company
 953 Conversion of an offshore support vessel by ADM
 957 Conversion then repairs to the *Kildare*
 967 Crankshaft technology
 967 Hull cleaning of the *Niger Star*
 951 Hull inspection of VLCCs
 933 Jumboising of the *Espresso Sardegna*
 939 *Lake Nipigon* converted to a tanker
 959 Lister agents
 940 Modification of oil barges at Sembawang
 945 Naikai Zosen's Setoda complex
 949 New drydock at Robin Dockyard
 961 New Tuas Yard opens in Singapore
 955 Offshore activities by HVO
 930 Repair facilities at Bethlehem Steel
 967 Repairs to the *Fernlane*
 936 Rudder repairs to the *Esso Northumbria*
 924 Sealing problem solved by Deep Sea Seals
 947 Shiprepairing facilities located in the Thames
 963 Vosper Thornycroft effect repairs on a wide range of vessels
 926 World's longest floating dock

SPANISH FEATURE

825 Activities at Astano, one of Spain's largest shipbuilding/shiprepairing facilities
 822 Developments at Crinavis
 819 Other activities at Astilleros Espanoles
 815 *Sant Jordi*, first gas carrier with the Sener containment system
 829 Shipbuilding and repairing for the military, at Bazan
 817 Shiprepair at Astilleros Espanoles
 821 *Zabat Uno*, first in a series of small bulk carriers from Astilleros del Cadagua

TOWAGE AND SALVAGE

691 Several companies have recently introduced new salvage tugs to their fleets
 691 Smit International
 693 *Tempest* and *Typhoon*, *Alphonse Letzer*, United Towing and Norwinch deck machinery
 694 *Abeille Province*, MB 15
 694 Salvage, a lucrative industry